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SUMMER INSTITUTE FOR COLLEGE BIOLOGY TEACHERS AT UM

MISSOULA---

A Summer Institute in Mathematics for College Biology Teachers will be offered by the University of Montana beginning June 22, 1970.

Supported by the National Science Foundation, the eight-week course will enable 30 participants to increase their knowledge of mathematics and mathematical application in biology.

Dr. Mark J. Behan, director of the institute and a UM associate professor of botany, said many college biology teachers are inadequately prepared to cope with the recent widespread use of mathematics in the solution and expression of biological problems.

Considering this deficiency, the objective of the institute is to provide training in intermediate level mathematics. The participants will gain a better understanding of the relationship between mathematics and biology, an understanding which will increase their teaching proficiency.

"The application of mathematical techniques to the solution of biological problems is a crucial one, and it can best and perhaps only be done well by the well-trained biologist," Dr. Behan said.

Applicants and eventual participants are expected to be doing some teaching at the undergraduate level in some area of the biological sciences. Priority in participant selection will be given to those teachers who have had minimal training in topics such as calculus or probability.

Twenty-five postdoctoral and five predoctoral candidates will be selected. For financial expenses the postdoctoral participants will receive a \$800 stipend and the predoctoral participants \$600. Additional allowances for dependents and travel will be available in varying amounts.

Members of Dr. Behan's summer institute staff include Dr. Howard Reinhardt, UM mathematics department chairman and institute associate director; Dr. Charles Bryan, UM associate professor of mathematics; Howard Hunt, teaching assistant and supplemental math tutor at UM, and Frank Munshower, part-time assistant, computer science, UM botany department.

Deadline for institute applications is Feb. 15. All inquiries should be sent to Dr. Mark J. Behan, Mathematics Summer Institute Director, Department of Botany, University of Montana, Missoula, Mont. 59801.